

Appendix A-16: Maternity (MAT-1) Measure Rate Calculation Rules

MAT-1 Measure Rules for Discharges January 1, 2008 through December 31, 2008

Categories

- X - Case will be rejected, not in measure population
- B - Case will be excluded, not in measure population
- D - In measure population, excluded from numerator
- E - In measure population, included in numerator

General Rule: Proceed sequentially as directed using data elements submitted. Each case must be assigned to a specific category (X, B, D, or E) and once assigned, review ends.

Data Element Sequence # / Name	Rule
1 Episode of Care	include if value = MAT-1, otherwise assign to Category X
2 Provider Name	assign to Category X if field is empty (i.e., no characters)
3 Provider ID	check against Provider ID table, assign to Category X if missing or no match
4 First Name	assign to Category X if field is empty (i.e., no characters)
5 Last Name	assign to Category X if field is empty (i.e., no characters)
6 Birthdate	assign to Category X if field is empty (i.e., no date)
7 Sex	include if value = F, otherwise assign to Category X
8 Postal Code	N/A
9 Race (DHCFP)	check against DHCFP Race Code table, assign to Category X if missing or no match
10 Ethnicity (DHCFP)	check against DHCFP Ethnicity Code table, assign to Category X if missing or no match
11 Hispanic Indicator (DHCFP)	include if value = Y or N, otherwise assign to Category X
12 Hospital Bill Number	assign to Category X if field is empty (i.e., no characters)
13 Hospital Patient ID Number	assign to Category X if field is empty (i.e., no characters)
14 Admission Date	date cannot be after Discharge Date, if so, assign to Category X assign to Category X if field is empty (i.e., no date)
15 Discharge Date	include dates from 01-01-08 through 12-31-08 inclusive, otherwise assign to Category X assign to Category X if field is empty (i.e., no date)
16 Admission Source / Point of Origin	check against Admission Source Code table, assign to Category X if missing or no match
17 Clinical Trial	if value = Y, assign to Category B
18 Discharge Status	check against Discharge Status Code table, assign to Category X if missing or no match
19 Payer Source (DHCFP)	include if value = 103 or 104, otherwise assign to Category X
20 RID Number	assign to Category X if field is empty (i.e., no characters)
21 Social Security Number	N/A
22 Unique Episode Number (CID)	assign to Category X if field is empty (i.e., no numbers)
23 Sample	N/A

Appendix A-16: Maternity (MAT-1) Measure Rate Calculation Rules

MAT-1 Measure Rules for Discharges January 1, 2008 through December 31, 2008.

Data Element Sequence # / Name	Rule
24 Maternal Delivery Diagnosis Code	check against MAT-1 Diagnosis Code table, assign to Category X if missing or no match
25 Admission Time	N/A
26 Pre-natal Antibiotic for Infection (Non-GBS)	if value = Y, assign to Category B / assign missing value to Category D
27 Planned Cesarean Delivery	if value = Y, assign to Category B / assign missing value to Category D
28 Gestational Age	N/A
29 Delivery Date (MAT-1)	date cannot be before Admission Date or after Discharge Date, if so, assign to Category D assign to Category D if field is empty (i.e., no date) or value = UTD
30 Delivery Time (MAT-1)	assign to Category D if field is empty, value = UTD, or value > 24:00
31 Live Newborn	if value = N, assign to Category B / assign missing value to Category D
32 Previous Infant with Invasive GBS	if value = Y, go to data element Intrapartum Antibiotics [sequence # 38]
33 GBS Bacteriuria	if value = Y, go to data element Intrapartum Antibiotics [sequence # 38]
34 GBS Screening	if value = P, go to data element Intrapartum Antibiotics [sequence # 38] if value = N, assign to Category B if value = U, continue to data element Gestational Age < 37 Weeks [sequence # 35]
35 Gestational Age < 37 Weeks	if value = Y, go to data element Intrapartum Antibiotics [sequence # 38]
36 Amniotic Membrane Rupture 18 or More Hours	if value = Y, go to data element Intrapartum Antibiotics [sequence # 38]
37 Intrapartum Temp	if value = N, assign to Category B
38 Intrapartum Antibiotics	if value = N, assign to Category D / assign missing value to Category D
39 Antibiotic Name for GBS Prophylaxis	check against MAT-1 Antibiotic Name table, assign to Category D if missing or no match
40 Other IV Antibiotics - MAT-1	if value = N, go to data element Antibiotic Administration Date (MAT-1) [sequence # 43] assign to Category D if field is empty (i.e., no characters)
41 "Other" Antibiotic Documented for Prophylaxis	if value = N, assign to Category D / assign missing value to Category D
42 Maternal Allergies	if value = N, assign to Category D / assign missing value to Category D
43 Antibiotic Administration Date (MAT-1)	date cannot be after Delivery Date (MAT-1), if so, assign to Category D assign to Category D if field is empty (i.e., no date) or value = UTD
44 Antibiotic Administration Time (MAT-1)	assign to Category D if field is empty, value = UTD, or value > 24:00
45	if (Delivery Date and Time - Antibiotic Administration Date and Time) >= 0, assign to Category E
46	if (Delivery Date and Time - Antibiotic Administration Date and Time) < 0, assign to Category D

$$\text{MEASURE RATE} = \frac{\text{Number of cases in Category E}}{\text{Number of cases in Category D} + \text{Number of cases in Category E}}$$

Appendix A-16: Maternity (MAT-2) Measure Rate Calculation Rules

MAT-2 Measure Rules for Discharges January 1, 2008 through December 31, 2008

Categories

- X - Case will be rejected, not in measure population
- B - Case will be excluded, not in measure population
- D - In measure population, excluded from numerator
- E - In measure population, included in numerator

General Rule: Proceed sequentially as directed using data elements submitted. Each case must be assigned to a specific category (X, B, D, or E) and once assigned, review ends.

Data Element Sequence # / Name	Rule
1 Episode of Care	include if value = MAT-2, otherwise assign to Category X
2 Provider Name	assign to Category X if field is empty (i.e., no characters)
3 Provider ID	check against Provider ID table, assign to Category X if missing or no match
4 First Name	assign to Category X if field is empty (i.e., no characters)
5 Last Name	assign to Category X if field is empty (i.e., no characters)
6 Birthdate	assign to Category X if field is empty (i.e., no date)
7 Sex	include if value = F, otherwise assign to Category X
8 Postal Code	N/A
9 Race (DHCFP)	check against DHCFP Race Code table, assign to Category X if missing or no match
10 Ethnicity (DHCFP)	check against DHCFP Ethnicity Code table, assign to Category X if missing or no match
11 Hispanic Indicator (DHCFP)	include if value = Y or N, otherwise assign to Category X
12 Hospital Bill Number	assign to Category X if field is empty (i.e., no characters)
13 Hospital Patient ID Number	assign to Category X if field is empty (i.e., no characters)
14 Admission Date	date cannot be after Discharge Date, if so, assign to Category X assign to Category X if field is empty (i.e., no date)
15 Discharge Date	include dates from 01-01-08 through 12-31-08 inclusive, otherwise assign to Category X assign to Category X if field is empty (i.e., no date)
16 Admission Source / Point of Origin	check against Admission Source Code table, assign to Category X if missing or no match
17 Clinical Trial	if value = Y, assign to Category B
18 Discharge Status	check against Discharge Status Code table, assign to Category X if missing or no match
19 Payer Source (DHCFP)	include if value = 103 or 104, otherwise assign to Category X
20 RID Number	assign to Category X if field is empty (i.e., no characters)
21 Social Security Number	N/A
22 Unique Episode Number (CID)	assign to Category X if field is empty (i.e., no numbers)
23 Sample	N/A

Appendix A-16: Maternity (MAT-2) Measure Rate Calculation Rules

MAT-2 Measure Rules for Discharges January 1, 2008 through December 31, 2008

Data Element Sequence # / Name	Rule
24 Maternal Delivery Procedure Code	value must be identified as principal procedure code, if not Category X check against MAT-2 Procedure Code table, assign to Category X if missing or no match
25 Infection Prior to Cesarean Section	if value = Y, assign to Category B / assign missing value to Category D
26 Antibiotic Treatment for Prophylaxis within 24 Hrs	if value = b, assign to Category B / assign missing value to Category D
27 Other Surgeries	if value = Y, assign to Category B / assign missing value to Category D
28 Cesarean Section Start Date	assign to Category D if Cesarean Section Start Date and Incision Time is after Delivery Date and Time
29 Cesarean Section Incision Time	assign to Category D if Cesarean Section Start Date and Incision Time is after Delivery Date and Time
30 Delivery Date (MAT-2)	date cannot be before Admission Date or after Discharge Date, if so, assign to Category D
31 Delivery Time (MAT-2)	used in calculating measure rate
32 IV Antibiotic for Cesarean Section Prophylaxis	if value = N, assign to Category D / assign missing value to Category D
33 Antibiotic Name for Cesarean Section Prophylaxis	check against MAT-2 Antibiotic Name table, assign to Category D if missing or no match
34 Other IV Antibiotics - MAT-2	if value = N, go to data element Antibiotic Administration Date (MAT-2) [sequence # 37] assign to Category D if field is empty (i.e., no characters)
35 "Other" Antibiotic Documented for Prophylaxis	if value = N, assign to Category D / assign missing value to Category D
36 Maternal Allergies	if value = N, assign to Category D / assign missing value to Category D
37 Antibiotic Administration Date (MAT-2)	assign to Category D if field is empty (i.e., no date) or value = UTD
38 Antibiotic Administration Time (MAT-2)	assign to Category D if field is empty, value = UTD, or value > 24:00
39	if either Cesarean Section Start Date or Incision Time AND either Delivery Date or Delivery Time are missing, assign to Category D
40	if (Cesarean Section Start Date and Incision Time - Antibiotic Administration Date and Time) > 60 minutes, assign to Category D
41	if (Cesarean Section Start Date and Incision Time - Antibiotic Administration Date and Time) >= 0 minutes and <= 60 minutes, assign to Category E
42	if Antibiotic Administration Date and Time is between Cesarean Section Start Date and Incision Time and Delivery Date and Time, assign to Category E
43	if (Antibiotic Administration Date and Time - Delivery Date and Time) >= 0 minutes and <= 5 minutes, assign to Category E
44	if case remains unassigned, assign to Category D

$$\text{MEASURE RATE} = \frac{\text{Number of cases in Category E}}{\text{Number of cases in Category D} + \text{Number of cases in Category E}}$$

Appendix A-16: Neonatal (NICU-1) Measure Rate Calculation Rules

NICU-1 Measure Rules for Discharges January 1, 2008 through December 31, 2008

Categories

- X - Case will be rejected, not in measure population
- B - Case will be excluded, not in measure population
- D - In measure population, excluded from numerator
- E - In measure population, included in numerator

General Rule: Proceed sequentially as directed using data elements submitted. Each case must be assigned to a specific category (X, B, D, or E) and once assigned, review ends.

Data Element Sequence # / Name	Rule
1 Episode of Care	include if value = NICU-1, otherwise assign to Category X
2 Provider Name	assign to Category X if field is empty (i.e., no characters)
3 Provider ID	check against Provider ID table, assign to Category X if missing or no match
4 First Name	assign to Category X if field is empty (i.e., no characters)
5 Last Name	assign to Category X if field is empty (i.e., no characters)
6 Birthdate	date cannot be the same as, or after, Admission Date, if so, assign to Category X if maternal age (Admission Date - Birthdate) < 18 years, assign to Category B assign to Category X if field is empty (i.e., no date)
7 Sex	include if value = F, otherwise assign to Category X
8 Postal Code	N/A
9 Race (DHCFP)	check against DHCFP Race Code table, assign to Category X if missing or no match
10 Ethnicity (DHCFP)	check against DHCFP Ethnicity Code table, assign to Category X if missing or no match
11 Hispanic Indicator (DHCFP)	include if value = Y or N, otherwise assign to Category X
12 Hospital Bill Number	assign to Category X if field is empty (i.e., no characters)
13 Hospital Patient ID Number	assign to Category X if field is empty (i.e., no characters)
14 Admission Date	date cannot be after Discharge Date, if so, assign to Category X assign to Category X if field is empty (i.e., no date)
15 Discharge Date	include dates from 01-01-08 through 12-31-08 inclusive, otherwise assign to Category X assign to Category X if field is empty (i.e., no date)
16 Admission Source / Point of Origin	check against Admission Source Code table, assign to Category X if missing or no match
17 Clinical Trial	if value = Y, assign to Category B
18 Discharge Status	check against Discharge Status Code table, assign to Category X if missing or no match
19 Payer Source (DHCFP)	include if value = 103 or 104, otherwise assign to Category X
20 RID Number	assign to Category X if field is empty (i.e., no characters)
21 Social Security Number	N/A

Appendix A-16: Neonatal (NICU-1) Measure Rate Calculation Rules

NICU-1 Measure Rules for Discharges January 1, 2008 through December 31, 2008.

Data Element Sequence # / Name	Rule
22 Unique Episode Number (CID)	assign to Category X if field is empty (i.e., no numbers)
23 Sample	N/A
24 Neonatal Principal Diagnosis Code (PRINDX)	N/A
25 Neonatal Other Diagnosis Code (OTHRDX#)	N/A
26 Valid Birth Weight or Gestational Age ICD-9-Code	if value = N, assign to Category X / assign missing value to Category X
27 Mother's Age Less Than 18 Years	if value = Y, assign to Category B / assign missing value to Category D
28 Transfer In	if value = Y, assign to Category B / assign missing value to Category D
29 Transfer Out	if value = Y, assign to Category B / assign missing value to Category D
30 Contraindication to Antenatal Steroids	if value = N, go to data element Birth Weight [sequence # 38] assign to Category D if field is empty (i.e., no characters)
31 Active Maternal Infection or Chorioamnionitis	if value = Y, assign to Category B
32 Fetal Demise	if value = Y, assign to Category B
33 Maternal Cardiomyopathy	if value = Y, assign to Category B
34 Maternal Thyrotoxicosis	if value = Y, assign to Category B
35 Mother with Tuberculosis	if value = Y, assign to Category B
36 Ruptured membranes and Imminent Delivery	if value = Y, assign to Category B
37 Other Reasons Contraindication	if value = Y, assign to Category B
38 Birthweight	N/A
39 Gestational Age (Weeks)	N/A
40 Gestational Age (Days)	N/A
41 Antenatal Steroids Administered	if value = Y, assign to Category E, otherwise assign to Category D

$$\text{MEASURE RATE} = \frac{\text{Number of cases in Category E}}{\text{Number of cases in Category D} + \text{Number of cases in Category E}}$$